

Message

From: Kay, Robert [rtkay@usgs.gov]
Sent: 5/22/2019 2:58:08 PM
To: Nordine, John [nordine.john@epa.gov]
Subject: Techalloy April 2019 Monthly Progress report

Flag: Follow up

John--here is my review fo the April 2019 Monthly Progress Report for the Techalloy/Central Wire facility in Union, Illinois. I have only a couple of comments.

Ex. 6 Personal Privacy (PP)

-----: Are we comfortable with not replacing the irrigation well based on the most recent data? I agree the relative absence of VOCs in the most recent Geoprobe sampling and the ongoing sampling from the Ex. 6 Personal Privacy (PP) does not indicate a currently existing problem, but the plume has been identified within a very short distance of the well and there's no reason to think it won't get to the irrigation well (or maybe it already has). What sort of ongoing verification will be required to ensure the well remains clean?

I suggest CW be required to make all necessary plans for replacing the Ex. 6 Personal Privacy (PP) well--permissions, permits, etc., so that if/when the irrigation well shows contamination the replacement well can be installed with minimal delay. I'm not suggesting the well be installed while the current irrigation well remains clean, just that we be prepared if VOCs show up.

Ex. 6 Personal Privacy (PP)

Pumpage--I know it's not an easy thing to do, but can we get an idea of Ex. 6 Personal Privacy (PP) pumping rate from each well? At least on a one time basis? If we can figure the pumping rate we can figure the drawdown from this pumping at the plume. Knowing this information would likely help determine the need for ongoing water-level monitoring at DGW-2I.

Upcoming Events/Activities Planned: Why is CWI re-applying for the NPDES permit? What happened with their original application? It appears we're moving backward on installation of the pump and treat system. Why?

Table 5: not really a big deal at this point, but it's worth noting that the concentrations of all the analytes have been increasing slightly since Nov. 2018.

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